

Preliminary Data Sheet

Type Number	55021
Designation ANSI	4/5A
System	NiMH
Nominal Voltage	1.2 V
Nominal Capacity (0.2C / 1.0V)	2100 mAh
Minimum Capacity (0.2C / 1.0V)	2050 mAh

Impedance AC at 1kHz, fully charged	< 25 mOhm
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Typical Capacity at 0.2 C / 1.00 V	2160 mAh
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Max Discharge Current (cont./1.0V)	6300 mA
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Dimensions

Diameter (a)	17 +0/-0.7 mm
Height (b)	43 +0/-1 mm
Cap Diameter (d)	6.7 mm
Weight, approx	32 g

Charge Conditions

Standard Charge	210 mA / 16 h (t_{max})
Fast Charge (charge termination control recommended).	1050 mA to 2100 mA (0.5 to 1 C)
Control parameters	$-\Delta U = 0 - 5 \text{ mV}$ $DT/dt = 0.8 \text{ }^{\circ}\text{C/min (0.5 to 0.9 C)}$ $0.8 \text{ }^{\circ}\text{C} - 1 \text{ }^{\circ}\text{C/min (1 C)}$ Temp. cut-off = 45 – 50 °C Timer: 105 % nominal input
Trickle Charge (0.05-0.1 C)	100 - 210 mA

Temperature Range

Storage 1 Year ⁽¹⁾	-20 °C - +25 °C
6 Month	-20 °C - +35 °C
1 Month	-20 °C - +45 °C
⁽¹⁾ recharge every 6 months	
Charge	0 °C - 45 °C
Fast Charge	10 °C - 45 °C
Discharge	-20 °C - 50 °C

